

# ALIENWARE® M11x COMPREHENSIVE SPECIFICATIONS



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**Model: P06T      Type: P06T001/P06T002      Rev. A00      February 2010**

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# COMPREHENSIVE SPECIFICATIONS



## COMPREHENSIVE SPECIFICATIONS

### Computer Model

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Alienware M11x

### Dimensions

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Height (Front and Back) 32.7 mm (1.29 inches)

Width 285.7 mm (11.25 inches)

Depth 233.3 mm (9.19 inches)

Weight with 8-cell battery  
(starting at) 1.99 kg (4.39 lb)

**NOTE:** The weight of your laptop will vary depending on the configuration ordered and the manufacturing variability.

**Processor and System Chipset**

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Processor	Intel Pentium™ Dual Core Intel® Core™2 Duo
L2 cache	
Intel Pentium Dual Core	2 MB
Intel Core2 Duo	3 MB
Bus clock	200 MHz
System chipset	Intel GS45
SDRAM bus width	one or two 64-bit channels of DDR3 memory up to 800 MHz
Processor address bus width	32 bits
Processor data width	64 bits
BIOS EPROM	16 Mbit
Graphics bus	PCIe x16 bus
PCI bus	32 bits

## COMPREHENSIVE SPECIFICATIONS

### Memory

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Connectors	two internally-accessible DDR3 SODIMM sockets
Capacities	1 GB, 2 GB, and 4 GB
Memory type	800 MHz (dual-channel configurations)
Memory configurations possible	2 GB, 4 GB, and 8 GB

### IEEE 1394 A

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IEEE 1394A controller	JMicron JMB380
IEEE 1394 interface	compliant with standard IEEE1394a-2000 specification

### Ports and Connectors

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Network adapter	one RJ45 connector
USB	three 4-pin USB 2.0-compliant connectors, including one USB PowerShare connector
VGA	one 15-hole connector
HDMI	one 19-pin connector

**Ports and Connectors**

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DisplayPort	one 20-pin connector
Audio	two audio output/headphone connectors and one audio input/microphone connector
3-in-1 Media Card Reader	one combo connector
SIM card	one SIM card slot
IEEE 1394	one 4-pin serial connector

**Communications**

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Network adapter	10/100 Mbps Ethernet LAN on system board
Wireless	<ul style="list-style-type: none"><li>• WLAN Mini-Card (half Mini-Card slot)</li><li>• WWAN Mini-Card (full Mini-Card slot) (optional)</li><li>• integrated Bluetooth® module (optional)</li></ul>

## COMPREHENSIVE SPECIFICATIONS

### Video

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Video controller integrated on the system board Intel GS45

Discrete video controller Nvidia NV11P-GS1

Video memory

Intel GS45 dynamic based on system memory capacity

Nvidia NV11P-GS1 1 GB

External display support VGA, HDMI, and DisplayPort

### Audio

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Controller Realtek ALC665

Speaker single 8-ohms speakers in both the left and right speaker assembly

Internal speaker amplifier up to 1 W per channel; up to 2 W total power

Internal microphone support single digital microphone in camera assembly

Volume controls program menus and media keyboard function keys



**Hard-Drive Storage**

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Interface	SATA
Number of hard drives	one
Hard drive	2.5 inch SATA hard drive
Type	standard portable and solid-state hard-drives

**Cards Supported**

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Media cards	<ul style="list-style-type: none"><li>▪ Secure Digital (SD) memory card</li><li>▪ MultiMedia Card (MMC)</li><li>▪ Memory Stick PRO</li></ul>
Video cards	<ul style="list-style-type: none"><li>▪ Intel Graphics Media Accelerator 4500MHD (Integrated on system board)</li><li>▪ Nvidia GeForce GT 335M (Discrete)</li></ul>

## COMPREHENSIVE SPECIFICATIONS

### Display

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Type (WLED)	11.6 inch HD+ TrueLife
Maximum resolution	1366 x 768
Dimensions	
Height	144 mm (5.67 inches)
Width	256.12 mm (10.08 inches)
Diagonal	293.83 mm (11.57 inches)
Refresh rate	60 Hz
Operating angle	0° (closed) to 140°
Pixel pitch	0.2550 mm
Controls	brightness can be controlled through keyboard shortcuts

**Keyboard (Backlit)**

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Number of keys	82 (Korea, U.S. and Canada); 83 (Europe); 86 (Japan)
Backlight color	RGB; colors can be changed by invoking the AlienFX® application in the Alienware Command Center. For information, see your <i>Mobile Manual</i> .

**Touch Pad**

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X/Y position resolution (graphics table mode)	240 cpi
Size	
Width	71.7 mm (2.82 inches) sensor-active area
Height	34.0 mm (1.33 inches) rectangle

**Camera**

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Pixel	1.3 megapixel
Video resolution	640 x 480 at 30 fps
Diagonal viewing angle	63.13° +/- 5%

## COMPREHENSIVE SPECIFICATIONS

### Battery

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8-cell "smart" lithium ion (63 Whr)

Height 11.2 mm (0.44 inches)

Width 173 mm (6.81 inches)

Depth 109.4 mm (4.31 inches)

Weight 0.43 kg (0.94 lb)

Voltage 14.8 V

Operating time battery operating time varies depending on operating conditions and can be significantly reduced under certain power-intensive conditions.

Life span (approximate) 300 discharge/charge cycles

Temperature range

Operating 0° to 50°C (32° to 122°F)

Storage -20° to 60°C (-4° to 140°F)

Coin-cell battery CR-2032

**AC Adapter**

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Type	65 W
Input voltage	100-240 VAC
Input current (maximum)	1.7 A
Input frequency	50-60 Hz
Output current	3.34 A (continuous)
Output power	65 W
Rated output voltage	19.5 VDC
Temperature range	
Operating	0° to 40°C (32° to 104°F)
Storage	–40° to 70°C (–40° to 158°F)
Connector types	
DC connector	3-pin, 7.4 mm plug
AC connector	3-pin – C5

## COMPREHENSIVE SPECIFICATIONS

### Computer Environment

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#### Temperature range

Operating	0° to 35°C (32° to 95°F)
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Storage	-40° to 65°C (-40° to 149°F)
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#### Relative humidity (maximum)

Operating	10% to 90% (non-condensing)
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Storage	10% to 95% (non-condensing)
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#### Maximum vibration (using a random vibration spectrum that simulates user environment)

Operating	0.66 GRMS
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Storage	1.3 GRMS
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#### Maximum shock (Measured with hard drive in operating status and a 2-ms half-sine pulse for operating. Also measured with hard drive in head-parked position and a 2-ms half-sine pulse for storage)

Operating	110 G
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Storage	160 G
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**Computer Environment**

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Altitude (maximum)

Operating

–15.2 to 3048 m (–50 to 10,000 ft)

Storage

–15.2 to 10,668 m (–50 to 35,000 ft)

Airborne contaminant level

G2 or lower as defined by ISA-S71.04-1985